

IN THE CLAIMS:

Please cancel Claims 11 to 21 without prejudice to or waiver of the subject matter contained therein.

All claims in the application are being reproduced below in accordance with current U.S. Patent and Trademark Office requirements.

1. (Previously Presented) A linear motor comprising:  
  
a plurality of wires used for forming a plurality of coils;  
  
a plurality of core members, wherein each of said coils is formed by winding directly to each of said core members and each of said core members is used for fixing each of said wound coils to each of a plurality of fixing portions corresponding to each of said core members; and  
  
a fixing member which has the plurality of fixing portions and fixes each of the plurality of coils formed by using each of the plurality of core members to each of the plurality of fixing portions.
2. (Original) The motor according to claim 1, wherein said core member is formed from an insulating material.
3. (Original) The motor according to claim 1, wherein said core member is formed from a material having a low thermal conductivity.

4. (Original) The motor according to claim 1, wherein said core member is formed from the same material as a material of said coil fixing portion or a material having substantially the same linear expansion coefficient.

5. (Original) The motor according to claim 1, wherein said core member is formed from a ceramic.

6. (Original) The motor according to claim 1, wherein said core member is formed from a resin material.

7. (Original) The motor according to claim 6, wherein said core member is annular and is fixed by being fitted on said coil fixing portion.

8. (Previously Presented) The motor according to claim 1, wherein an outer circumferential surface of said coil is covered with an electrically insulating material.

9. (Original) The motor according to claim 1, wherein said coil fixing portion is shaped such that an area in a direction in which a large force is received under influence of a magnetic field is larger than an area in a direction in which a small force is received.

Claims 10 to 21 (Cancelled).

22. (Previously Presented) The motor according to claim 1, wherein said each of the plurality of coils is formed as coils wound with the laminated foil-like conductors.

23. (Previously Presented) The motor according to claim 1, wherein said fixing member has a plurality of positioning portions, and each of the plurality of positioning portions engages each of the plurality of core members, thereby the core members are positioned.

24. (Previously Presented) The motor according to claim 1, wherein each of the plurality of core members forms a positioning hole to engage each of the plurality of positioning portions.